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US EPA RECORDS CENTER REGION 5



434218

M E M O R A N D U M

DATE: October 10, 2000

TO: Justin Bowerman, START Project Manager, E & E,
Cleveland, Ohio

FROM: David Hendren, START Analytical Services Manager,
E & E, Chicago, Illinois

THROUGH: Patrick Zwilling, START Assistant Program Manager,
E & E, Chicago, Illinois

SUBJECT: Data Quality Review for Pesticides and
Polychlorinated Biphenyls (PCBs), Sam Winer Motors
Property, Summit Township, Springfield County, Ohio

REFERENCE: Project TDD S05-0007-014 Analytical TDD S05-0007-808
Project PAN 0U1401SIXX Analytical PAN 0UAH01TAXX

The data quality assurance (QA) review of one water and three soil samples collected from the Sam Winer Motors Property site is complete. The samples were collected on August 14 and 15, 2000, by the Superfund Technical Assessment and Response Team (START) contractor, Ecology and Environment, Inc. (E & E). The samples were submitted to EIS Analytical Services, Inc., South Bend, Indiana. The laboratory analyses were performed according to the United States Environmental Protection Agency (U.S. EPA) Solid Waste 846 Methods 8081 and 8082.

Sample Identification

<u>START</u> <u>Identification No.</u>	<u>Laboratory</u> <u>Identification No.</u>
SS-OSC-21C	70313
SS-OSC-23	70315
SS-OSC-24B	70317
GW-OS-01	70339

Data Qualifications:

I. Sample Holding Time: Acceptable

The samples were collected on August 14 and 15, 2000, extracted on August 19 (pesticides) and August 24 (PCBs), 2000, and analyzed on August 26, 2000, for pesticides, and

on August 28, 2000, for PCBs. This is within the 14-day holding time limit, from collection to extraction, and 40-day limit from extraction to analysis.

II. Instrument Performance: Acceptable

The chromatographic resolution was adequate in the standard and sample chromatograms. Surrogate retention times were consistent in the samples and standards.

III. Calibrations:

• Initial Calibration: Acceptable

A five-point initial calibration was performed prior to analysis. The percent relative standard deviations (%RSDs) between response factors were less than 20%.

• Continuing Calibration: Acceptable

The percent differences of the response factors were less than 15%.

IV. Blank: Acceptable

A method blank was analyzed with the samples. No target compounds or contaminants were detected in the blank.

V. Compound Identification: Not Applicable

There were no pesticides or PCBs detected in the samples.

VI. Additional QC Checks: Acceptable

The recoveries of the surrogates used in the samples were within acceptable laboratory limits.

VII. Overall Assessment of Data for Use: Acceptable

The overall usefulness of the data is based on criteria for QA Level II as outlined in the Office of Solid Waste and Emergency Response (OSWER) Directive 9360.4-01 (April 1990), Data Validation Procedures, Section 6.0, Pesticides/PCBs. Based upon the information provided, the data are acceptable for use.